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L11 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:550873 HCAPLUS

DOCUMENT NUMBER: 141:82339

TITLE: Use of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids with serum glucose-lowering and serum lipid-lowering activity

INVENTOR(S): Giannessi, Fabio; Tassoni, Emanuela; Tinti, Maria Ornella; Pessotto, Pompeo; Dell'Uomo, Natalina; Sciarroni, Anna Floriana; Brunetti, Tiziana; Milazzo, Ferdinando Maria

PATENT ASSIGNEE(S): Sigma-Tau Industrie Farmaceutiche Riunite S.p.A., Italy

SOURCE: PCT Int. Appl., 76 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

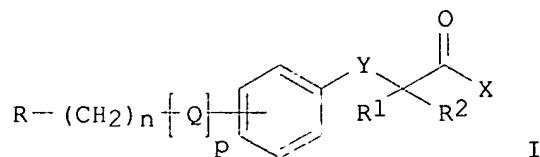
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056355	A1	20040708	WO 2003-IT820	20031216
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2506627	AA	20040708	CA 2003-2506627	20031216
AU 2003288546	A1	20040714	AU 2003-288546	20031216
EP 1572180	A1	20050914	EP 2003-780669	20031216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017359	A	20051108	BR 2003-17359	20031216
CN 1728992	A	20060201	CN 2003-80106699	20031216
JP 2006512362	T2	20060413	JP 2004-561981	20031216
PRIORITY APPLN. INFO.:			IT 2002-RM629	A 20021219
			WO 2003-IT820	W 20031216

OTHER SOURCE(S): MARPAT 141:82339

GI



AB The invention describes the use of derivs. of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids I [R = H, (un)substituted]

(hetero)aryl; n = 0-3; p = 0, 1; X = OH, O-(C1-4 alkyl); R1, R2 = H, C1-5 alkyl, COX; Q = NH, O, S, NHC(O)O, etc.; Y = O, S] for the preparation of a medicament for the prophylaxis and treatment of diabetes, particularly type 2 diabetes, its complications, the various forms of insulin resistance, and hyperlipidemias. Compound preparation is also described.

- IC ICM A61K031-19
- ICS C07C053-134; C07C327-16; A61P003-06; A61P003-08; A61P003-10
- CC 1-10 (Pharmacology)
- Section cross-reference(s): 25
- ST phenylthiocarboxylate phenyloxycarboxylate deriv prepn hypoglycemic hypolipidemic; insulin resistance hyperlipidemia treatment phenylthiocarboxylate phenyloxycarboxylate deriv; antidiabetic NIDDM phenylthiocarboxylate phenyloxycarboxylate deriv
- IT Antiartherosclerotics
(antiatherosclerotics; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(capsules; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(controlled-release; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Artery, disease
(coronary; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(depot; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Blood vessel, disease
(diabetic macroangiopathy; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Blood vessel, disease
(diabetic microangiopathy; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Kidney, disease
(diabetic nephropathy; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Nerve, disease
(diabetic neuropathy; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Eye, disease
(diabetic retinopathy; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(emulsions; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Liver, disease
(fatty; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(implants; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Heart, disease
(infarction; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)

- IT Drug delivery systems
(injections, s.c.; phenylthiocarboxylic and phenyloxycarboxylic acid
derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(injections; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(liposomes; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(liqs.; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with
serum glucose-lowering and serum lipid-lowering activity)
- IT Metabolic disorders
(metabolic syndrome X; phenylthiocarboxylic and phenyloxycarboxylic
acid derivs. with serum glucose-lowering and serum lipid-lowering
activity)
- IT Liver, disease
(non-alc. fatty liver disease; phenylthiocarboxylic and
phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum
lipid-lowering activity)
- IT Diabetes mellitus
(non-insulin-dependent; phenylthiocarboxylic and phenyloxycarboxylic
acid derivs. with serum glucose-lowering and serum lipid-lowering
activity)
- IT Hepatitis
(nonalc. steatohepatitis; phenylthiocarboxylic and phenyloxycarboxylic
acid derivs. with serum glucose-lowering and serum lipid-lowering
activity)
- IT Drug delivery systems
(oral; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with
serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(parenterals; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)
- IT Blood vessel, disease
(peripheral; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)
- IT Anticholesteremic agents
Antidiabetic agents
Antihypertensives
Antiobesity agents
Atherosclerosis
Cardiovascular agents
Diabetes mellitus
Hypercholesterolemia
Hyperglycemia
Hypertension
Hypolipemic agents
Nervous system agents
Obesity
(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)
- IT Glycerides, biological studies
High-density lipoproteins
Hyperlipidemia
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)
- IT Ovary, disease
(polycystic; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.

- with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(powders; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(solids; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with
serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(solns.; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with
serum glucose-lowering and serum lipid-lowering activity)
- IT Brain, disease
(stroke; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with
serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(suspensions; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(syrups; phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with
serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(tablets, coated; phenylthiocarboxylic and phenyloxycarboxylic acid
derivs. with serum glucose-lowering and serum lipid-lowering activity)
- IT Drug delivery systems
(tablets; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)
- IT Peroxisome proliferator-activated receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(α ; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)
- IT Peroxisome proliferator-activated receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(γ ; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)
- IT 50-99-7, D-Glucose, biological studies 4429-04-3,
Fructosamine
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)
- IT 566189-21-7P 566189-22-8P 566189-23-9P
566189-32-0P 566189-35-3P 566189-36-4P
566189-42-2P 566189-43-3P 566189-44-4P
714912-30-8P 714912-31-9P 714912-32-0P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic
preparation); THU (Therapeutic use); BIOL (Biological study); PREP
(Preparation); RACT (Reactant or reagent); USES (Uses)
(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)
- IT 566189-24-0P 566189-39-7P 566189-41-1P
566189-45-5P 714912-24-0P 714912-25-1P
714912-26-2P 714912-27-3P 714912-28-4P
714912-29-5P 714912-33-1P 714912-34-2P
714912-35-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)
- IT 120-72-9, Indole, reactions 540-51-2, 2-Bromoethanol
637-89-8, 4-Mercaptophenol 1484-14-6,
9H-Carbazole-9-ethanol 1485-07-0, 2-(2-Naphthyl)ethanol

1875-88-3, 4-Chlorophenethyl alcohol 2493-04-1,
5-Nitrofurfuryl alcohol 23426-63-3, Methyl 2-bromoisobutyrate
40248-84-8, 3-Mercaptophenol 81156-68-5,
2,4-Dichlorophenethyl alcohol 374818-89-0 714912-36-4

RL: RCT (Reactant); RACT (Reactant or reagent)

(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)

IT 121459-15-2P, 1-(2-Hydroxyethyl)indole 566189-18-2P
566189-20-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)

IT 12619-70-4D, Cyclodextrin, complexes

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)

IT 9004-10-8, Insulin, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(resistance; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)

IT 50-99-7, D-Glucose, biological studies 4429-04-3,
Fructosamine

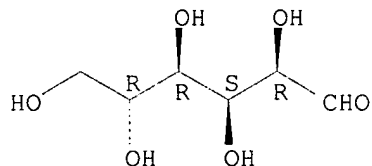
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)

RN 50-99-7 HCAPLUS

CN D-Glucose (8CI, 9CI) (CA INDEX NAME)

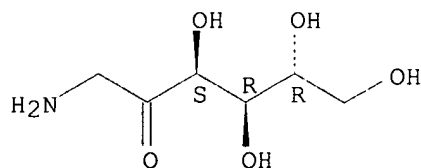
Absolute stereochemistry.



RN 4429-04-3 HCAPLUS

CN D-Fructose, 1-amino-1-deoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 566189-21-7P 566189-22-8P 566189-23-9P

566189-32-0P 566189-35-3P 566189-36-4P

566189-42-2P 566189-43-3P 566189-44-4P

714912-30-8P 714912-31-9P 714912-32-0P

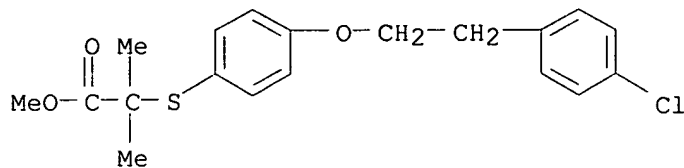
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic
preparation); THU (Therapeutic use); BIOL (Biological study); PREP
(Preparation); RACT (Reactant or reagent); USES (Uses)

(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)

glucose-lowering and serum lipid-lowering activity)

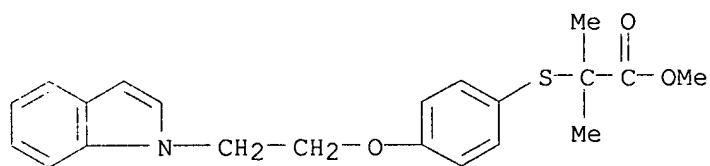
RN 566189-21-7 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



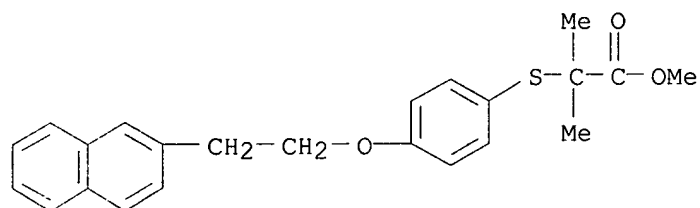
RN 566189-22-8 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(1H-indol-1-yl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



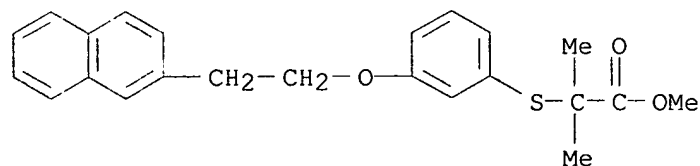
RN 566189-23-9 HCAPLUS

CN Propanoic acid, 2-methyl-2-[[4-[2-(2-naphthalenyl)ethoxy]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



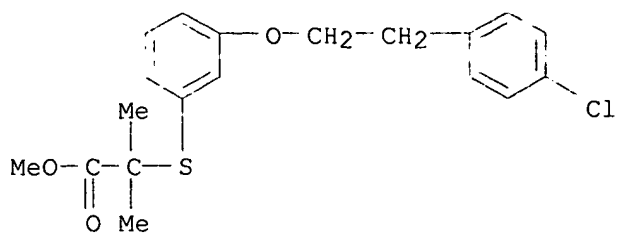
RN 566189-32-0 HCAPLUS

CN Propanoic acid, 2-methyl-2-[[3-[2-(2-naphthalenyl)ethoxy]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



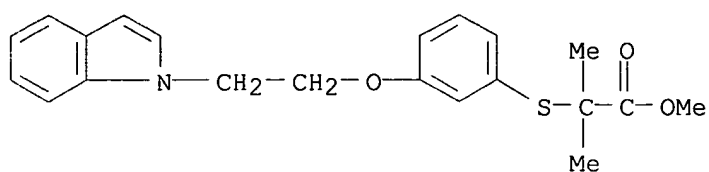
RN 566189-35-3 HCAPLUS

CN Propanoic acid, 2-[[3-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



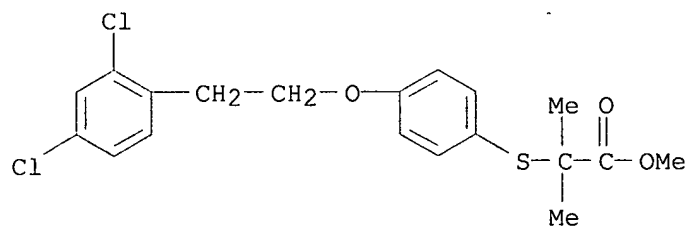
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CN Propanoic acid, 2-[[3-[2-(1H-indol-1-yl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



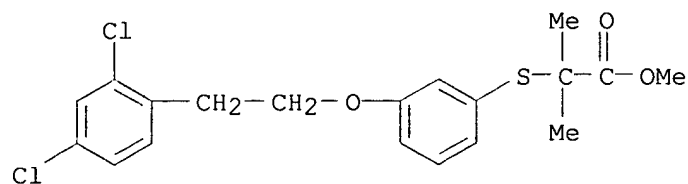
RN 566189-42-2 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(2,4-dichlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



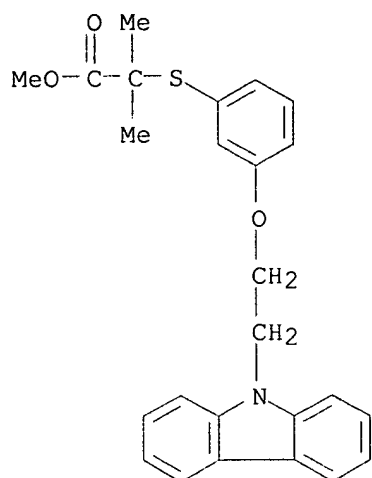
RN 566189-43-3 HCAPLUS

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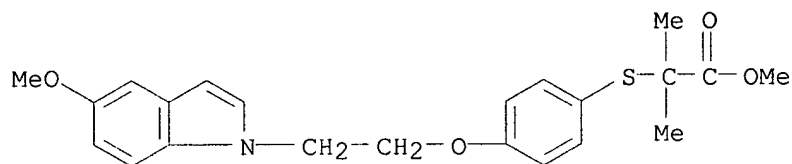
RN 566189-44-4 HCAPLUS

CN Propanoic acid, 2-[[3-[2-(9H-carbazol-9-yl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



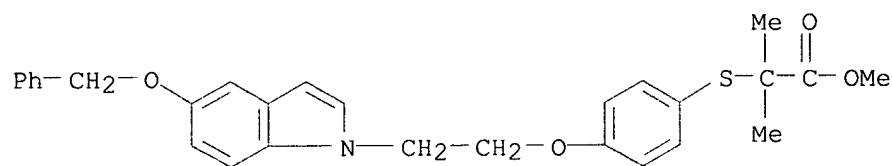
RN 714912-30-8 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(5-methoxy-1H-indol-1-yl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



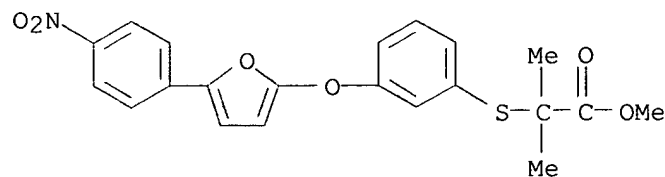
RN 714912-31-9 HCAPLUS

CN Propanoic acid, 2-methyl-2-[[4-[2-[5-(phenylmethoxy)-1H-indol-1-yl]ethoxy]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



RN 714912-32-0 HCAPLUS

CN Propanoic acid, 2-methyl-2-[[3-[[5-(4-nitrophenyl)-2-furanyl]oxy]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



IT 566189-24-0P 566189-39-7P 566189-41-1P

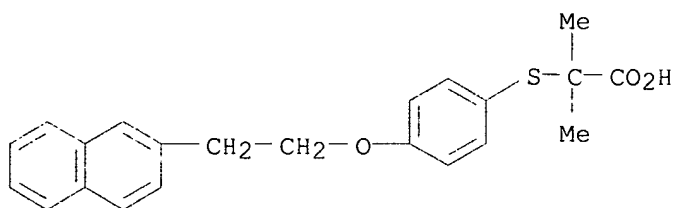
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 714912-29-5P 714912-33-1P 714912-34-2P
 714912-35-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
 glucose-lowering and serum lipid-lowering activity)

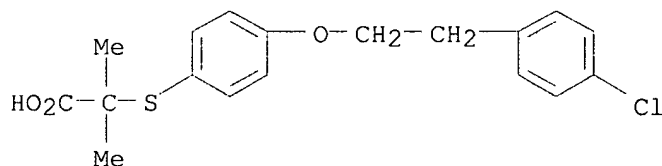
RN 566189-24-0 HCAPLUS

CN Propanoic acid, 2-methyl-2-[[4-[2-(2-naphthalenyl)ethoxy]phenyl]thio]-
 (9CI) (CA INDEX NAME)



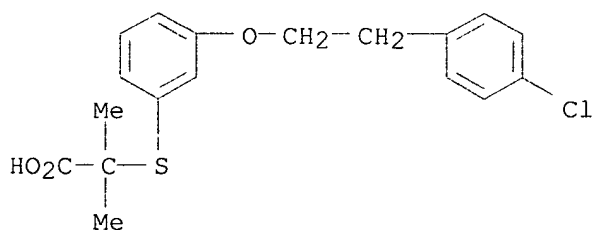
RN 566189-39-7 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-
 (9CI) (CA INDEX NAME)



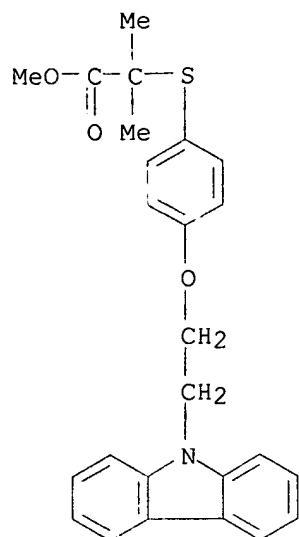
RN 566189-41-1 HCAPLUS

CN Propanoic acid, 2-[[3-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-
 (9CI) (CA INDEX NAME)

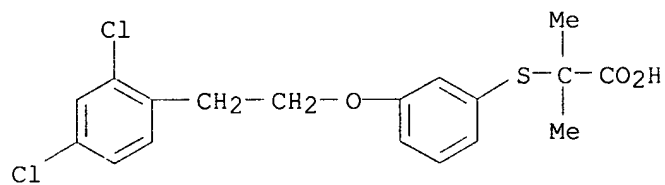


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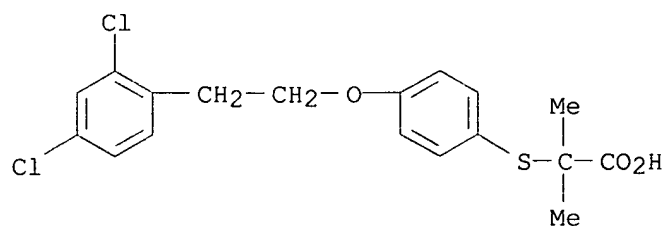
CN Propanoic acid, 2-[[4-[2-(9H-carbazol-9-yl)ethoxy]phenyl]thio]-2-methyl-,
 methyl ester (9CI) (CA INDEX NAME)



RN 714912-24-0 HCAPLUS

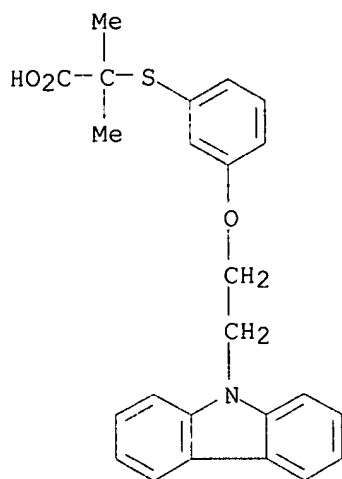
CN Propanoic acid, 2-[[3-[2-(2,4-dichlorophenyl)ethoxy]phenyl]thio]-2-methyl-
(9CI) (CA INDEX NAME)

RN 714912-25-1 HCAPLUS

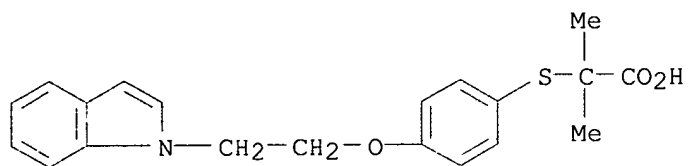
CN Propanoic acid, 2-[[4-[2-(2,4-dichlorophenyl)ethoxy]phenyl]thio]-2-methyl-
(9CI) (CA INDEX NAME)

RN 714912-26-2 HCAPLUS

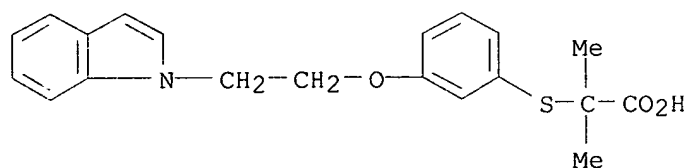
CN Propanoic acid, 2-[[3-[2-(9H-carbazol-9-yl)ethoxy]phenyl]thio]-2-methyl-
(9CI) (CA INDEX NAME)



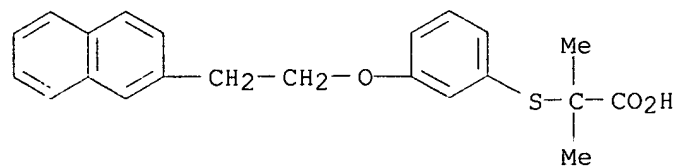
RN 714912-27-3 HCAPLUS
 CN Propanoic acid, 2-[[4-[2-(1H-indol-1-yl)ethoxy]phenyl]thio]-2-methyl-
 (9CI) (CA INDEX NAME)



RN 714912-28-4 HCAPLUS
 CN Propanoic acid, 2-[[3-[2-(1H-indol-1-yl)ethoxy]phenyl]thio]-2-methyl-
 (9CI) (CA INDEX NAME)

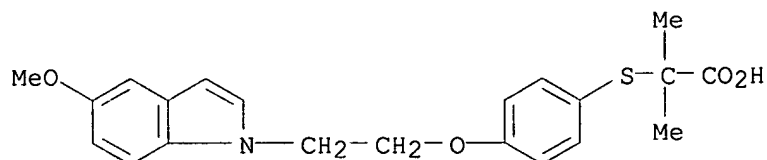


RN 714912-29-5 HCAPLUS
 CN Propanoic acid, 2-methyl-2-[[3-[2-(2-naphthalenyl)ethoxy]phenyl]thio]-
 (9CI) (CA INDEX NAME)



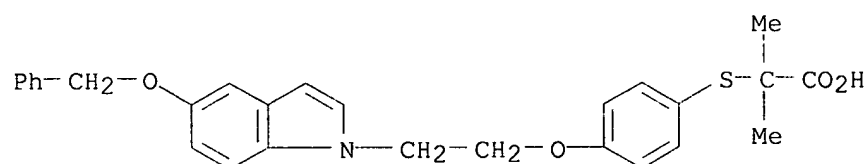
RN 714912-33-1 HCAPLUS

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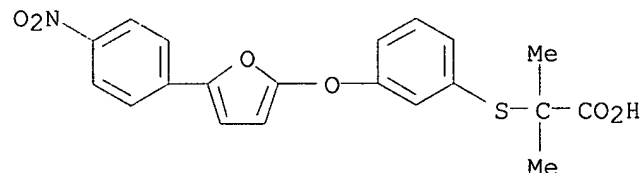
RN 714912-34-2 HCAPLUS

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RN 714912-35-3 HCAPLUS

CN Propanoic acid, 2-methyl-2-[[3-[[5-(4-nitrophenyl)-2-furanyl]oxy]phenyl]thio]- (9CI) (CA INDEX NAME)



IT 120-72-9, Indole, reactions 540-51-2, 2-Bromoethanol

637-89-8, 4-Mercaptophenol 1484-14-6,

9H-Carbazole-9-ethanol 1485-07-0, 2-(2-Naphthyl)ethanol

1875-88-3, 4-Chlorophenethyl alcohol 2493-04-1,

5-Nitrofurfuryl alcohol 23426-63-3, Methyl 2-bromoisobutyrate

40248-84-8, 3-Mercaptophenol 81156-68-5,

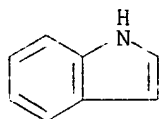
2,4-Dichlorophenethyl alcohol 374818-89-0 714912-36-4

RL: RCT (Reactant); RACT (Reactant or reagent)

(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)

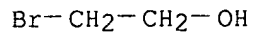
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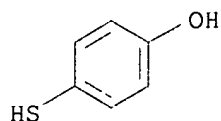
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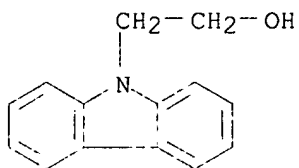
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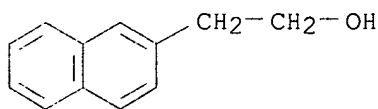
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CN 9H-Carbazole-9-ethanol (9CI) (CA INDEX NAME)



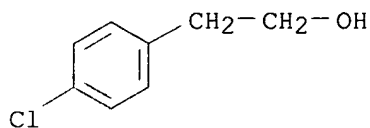
RN 1485-07-0 HCAPLUS

CN 2-Naphthaleneethanol (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



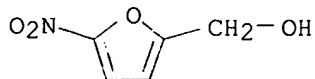
RN 1875-88-3 HCAPLUS

CN Benzeneethanol, 4-chloro- (9CI) (CA INDEX NAME)



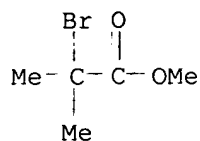
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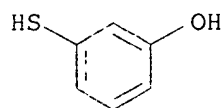


RN 23426-63-3 HCAPLUS

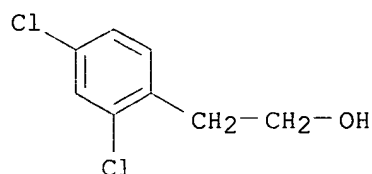
CN Propanoic acid, 2-bromo-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



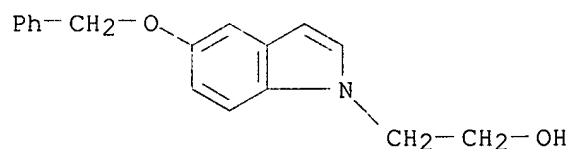
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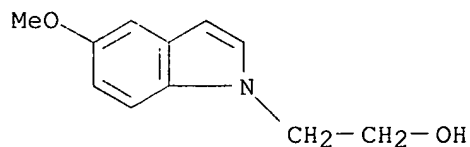
RN 81156-68-5 HCAPLUS
 CN Benzeneethanol, 2,4-dichloro- (9CI) (CA INDEX NAME)



RN 374818-89-0 HCAPLUS
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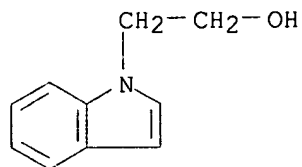


RN 714912-36-4 HCAPLUS
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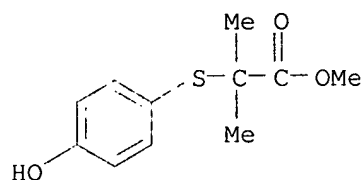
IT 121459-15-2P, 1-(2-Hydroxyethyl)indole 566189-18-2P
 566189-20-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
 glucose-lowering and serum lipid-lowering activity)
 RN 121459-15-2 HCAPLUS

CN 1H-Indole-1-ethanol (9CI) (CA INDEX NAME)



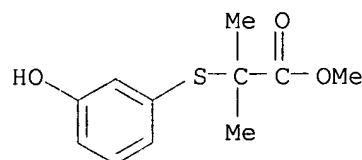
RN 566189-18-2 HCAPLUS

CN Propanoic acid, 2-[(4-hydroxyphenyl)thio]-2-methyl-, methyl ester (9CI)
(CA INDEX NAME)



RN 566189-20-6 HCAPLUS

CN Propanoic acid, 2-[(3-hydroxyphenyl)thio]-2-methyl-, methyl ester (9CI)
(CA INDEX NAME)



IT 12619-70-4D, Cyclodextrin, complexes

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum
glucose-lowering and serum lipid-lowering activity)

RN 12619-70-4 HCAPLUS

CN Cyclodextrin (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 9004-10-8, Insulin, biological studies

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(resistance; phenylthiocarboxylic and phenyloxycarboxylic acid derivs.
with serum glucose-lowering and serum lipid-lowering activity)

RN 9004-10-8 HCAPLUS

CN Insulin (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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 E TINTI MARIA ORNELLA/AU
L4 16 S E2-3
 E PESSOTTO POMPEO/AU
 E DELL'UOMO NATALINA/AU
 E DELL'UOMO NATALINA/AU
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 E SCIARRONI ANNA FLORIANA/AU
L6 9 S E2-4
 E BRUNETTI TIZIANA/AU
L7 6 S E2-3
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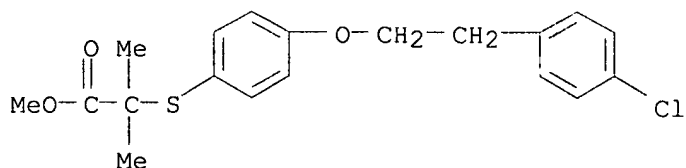
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L12 ANALYZE L11 1-1 CT : 30 TERMS

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L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 566189-21-7 REGISTRY
 ED Entered STN: 14 Aug 2003
 CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-,
 methyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H21 Cl O3 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

ED Entered STN: 14 Aug 2003

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L8 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:550873 HCAPLUS

DOCUMENT NUMBER: 141:82339

TITLE: Use of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids with serum glucose-lowering and serum lipid-lowering activity

INVENTOR(S): Giannessi, Fabio; Tassoni, Emanuela; Tinti, Maria Ornella; Pessotto, Pompeo; Dell'Uomo, Natalina; Sciarroni, Anna Floriana; Brunetti, Tiziana; Milazzo, Ferdinando Maria

PATENT ASSIGNEE(S): Sigma-Tau Industrie Farmaceutiche Riunite S.p.A., Italy

SOURCE: PCT Int. Appl., 76 pp.

CODEN: PIXXD2

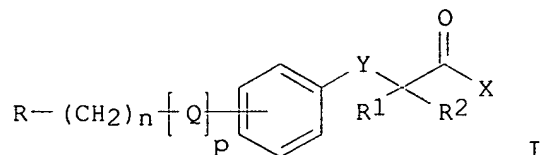
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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WO 2004056355	A1	20040708	WO 2003-IT820	20031216
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RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2506627	AA	20040708	CA 2003-2506627	20031216
AU 2003288546	A1	20040714	AU 2003-288546	20031216
EP 1572180	A1	20050914	EP 2003-780669	20031216
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003017359	A	20051108	BR 2003-17359	20031216
CN 1728992	A	20060201	CN 2003-80106699	20031216
JP 2006512362	T2	20060413	JP 2004-561981	20031216
US 2006154979	A1	20060713	US 2005-539833	20050719
PRIORITY APPLN. INFO.:			IT 2002-RM629	A 20021219
			WO 2003-IT820	W 20031216
OTHER SOURCE(S):	MARPAT 141:82339			
GI				



AB The invention describes the use of derivs. of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids I [R = H, (un)substituted

(hetero)aryl; n = 0-3; p = 0, 1; X = OH, O-(C1-4 alkyl); R1, R2 = H, C1-5 alkyl, COX; Q = NH, O, S, NHC(O)O, etc.; Y = O, S] for the preparation of a medicament for the prophylaxis and treatment of diabetes, particularly type 2 diabetes, its complications, the various forms of insulin resistance, and hyperlipidemias. Compound preparation is also described.

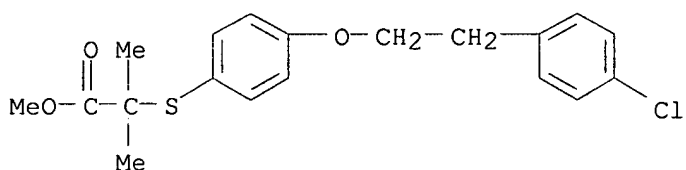
IT 566189-21-7P 566189-42-2P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)

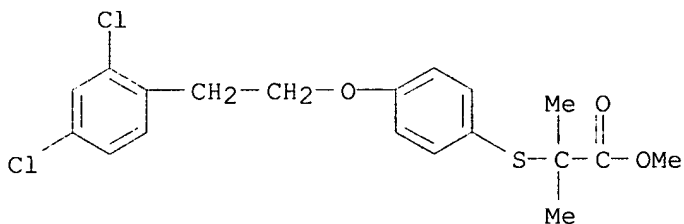
RN 566189-21-7 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 566189-42-2 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(2,4-dichlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



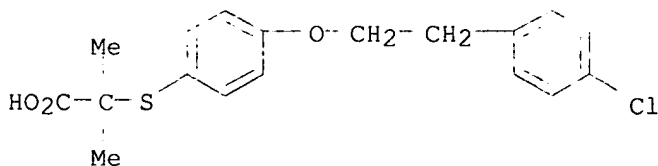
IT 566189-39-7P 714912-25-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)

RN 566189-39-7 HCAPLUS

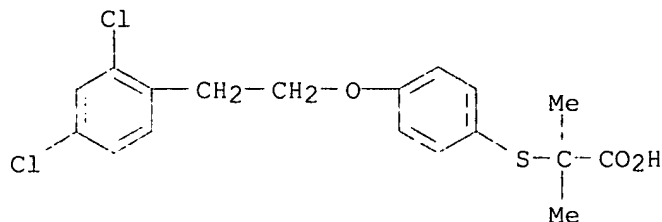
CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 714912-25-1 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(2,4-dichlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)

(9CI) (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:570951 HCAPLUS

DOCUMENT NUMBER: 139:133346

TITLE: Preparation of derivatives of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids useful for the treatment of diseases responding to PPAR α activation

INVENTOR(S): Giannessi, Fabio; Dell'Uomo, Natalina; Tassoni, Emanuela; Tinti, Maria Ornella; Sciarroni, Anna; Floriana; Bandera, Monica; Pessotto, Pompeo; Arduini, Arduino

PATENT ASSIGNEE(S): Sigma-Tau Industrie Farmaceutiche Riunite S.p.A., Italy

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

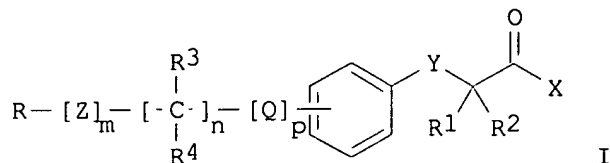
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WO 2003059875	A2	20030724	WO 2003-IT11	20030115
WO 2003059875	A3	20031204		
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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AU 2003209679	A1	20030730	AU 2003-209679	20030115
EP 1474387	A2	20041110	EP 2003-729547	20030115
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BR 2003006824	A	20041221	BR 2003-6824	20030115
JP 2005514456	T2	20050519	JP 2003-559979	20030115
CN 1620429	A	20050525	CN 2003-802289	20030115
US 2005054671	A1	20050310	US 2004-501472	20041110
PRIORITY APPLN. INFO.:			IT 2002-RM14	A 20020115

WO 2003-IT11

W 20030115

OTHER SOURCE(S):
GI

MARPAT 139:133346



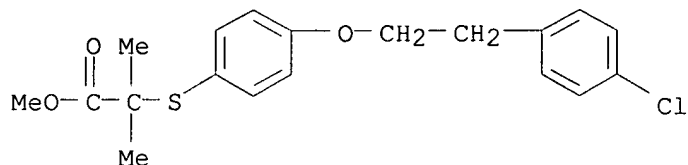
AB Title compds. I [R = H, YCR5R6COX, mono- bi- tricyclic (hetero)aryl; m = 0-1; n = 0-3; when n = 1, R3-4 = H, alkyl, when n = 2-3, R3 = R4 = H; p = 0-1; X = OH, alkoxy; R1-2, R5-6 = H, alkyl, alkoxy, acyl, etc.; Q, Z = NH, O, S, amido, etc.; Y = O, S] are prepared For instance, 4-mercaptophenol is reacted with Me α -bromoisobutyrate (CH₃CN, NaH) to give Me 2-(4-hydroxyphenylthio)isobutyrate. Selected compds. exhibit PPAR α agonist activity at 2 μ M. I are useful for the treatment of heart failure, the hyperlipemias and atherosclerosis.

IT 566189-21-7P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of derivs. of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids as PPAR α agonists)

RN 566189-21-7 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



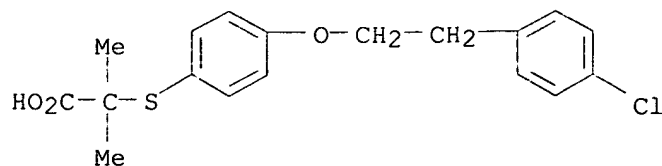
IT 566189-39-7P, 2-[[4-[2-(4-Chlorophenyl)ethoxy]phenyl]thio]-2-methylpropanoic acid 566189-42-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of derivs. of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids as PPAR α agonists)

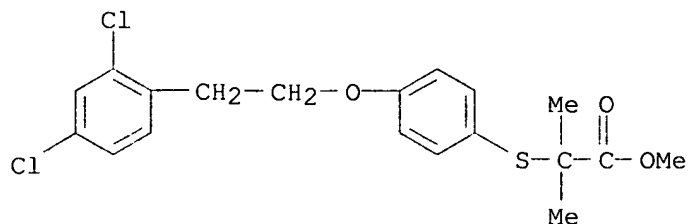
RN 566189-39-7 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl- (9CI) (CA INDEX NAME)

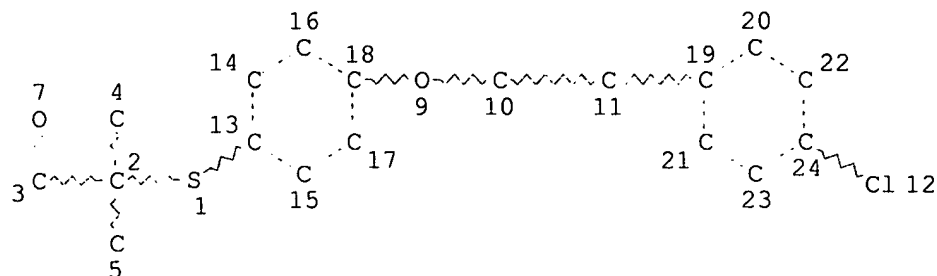


RN 566189-42-2 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(2,4-dichlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



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L5 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE
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L8 2 SEA FILE=HCAPLUS ABB=ON L7

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FILE 'REGISTRY' ENTERED AT 14:25:11 ON 17 JUL 2006

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L4 1 SEA ABB=ON 566189-21-7/RN
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L5 STRUCTURE 566189-21-7
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L7 4 SEA SSS FUL L5
 D SCAN

FILE 'HCAPLUS' ENTERED AT 14:33:00 ON 17 JUL 2006

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 D QUE STAT L8

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

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DICTIONARY FILE UPDATES: 14 JUL 2006 HIGHEST RN 892755-86-1

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<http://www.cas.org/ONLINE/UG/regprops.html>

FILE HCAPLUS

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FILE COVERS 1907 - 17 Jul 2006 VOL 145 ISS 4

FILE LAST UPDATED: 16 Jul 2006 (20060716/ED)

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substance identification.